

## Message Text

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INFO OCT-01 ISO-00 CIAE-00 PM-03 INR-07 L-02 ACDA-10

NSAE-00 PA-02 PRS-01 SP-02 USIA-15 TRSE-00 SAJ-01

OES-05 NSF-02 DODE-00 FEA-01 INT-05 EPA-04 CEQ-01

AEC-07 OMB-01 DLOS-05 /087 W  
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R 111830Z FEB 75

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TO SECSTATE WASHDC 0043

INFO ALL NATO CAPITALS 4995

USMISSION OECD PARIS

UNCLAS SECTION 1 OF 2 USNATO 0735

E.O. 11652: NA

TAGS: NATO, TGEN, ENRG, SENV

SUBJECT: NATO SCIENCE - SCIENCE COMMITTEE MEETING AT NATO HEAD-  
QUARTERS, FEBRUARY 6-7, 1975

REF: STATE 25037

SUMMARY: US REP TO NATO SCIENCE COMMITTEE (SC) MEETING WAS  
DR WILLIAM A. NIERENBERG, DIRECTOR OF SCRIPPS INSTITUTE OF  
OCEANOGRAPHY, SC CONDUCTED ANNUAL REVIEW OF SPECIAL PROGRAM  
PANELS IN PREPARATION FOR DEFINITIVE REASSESSMENT OF THIS OVER-  
ALL PROGRAM AND INDIVIDUAL PANEL ACTIVITIES AT FALL 1975 SC  
MEETING. NIERENBERG MADE PERSONAL SUGGESTION THAT IN THE PROCESS  
SC MEMBERS AT SAME TIME CONSIDER CONVENING WITHIN NEXT YEAR A  
REINFORCED, HIGH-LEVEL MEETING OF SC TO HELP RESET FUTURE  
SCIENTIFIC RESEARCH PRIORITIES FOR NATIONS OF ALLIANCE AS WHOLE.  
SC APPORTIONED PROGRAM DEVELOPMENT FUND FOR 1975 AND APPROVED PRO-  
POSED PROJECT ON RATIONAL USE OF METALS. ALL SC MEMBERS AT  
THIS TIME ALSO APPROVED SC CONFERENCE PROPOSALS ON THERMAL  
ENERGY STORAGE AND ON STRUCTURE AND MECHANICAL PROPERTIES OF  
WOOD, WITH EXCEPTION US REP WHO REQUESTED MORE TIME FOR USG  
REVIEW (PER REFTEL). REQUEST US RESPONSE BY FEBRUARY 28.  
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END SUMMARY.

I. CHAIRMANS OPENING REMARKS: OZDAS CALLED ATTENTION TO SC'S  
ANNUAL REVIEW OF SPECIAL PROGRAM PANELS (ITEM III, BELOW) AS

PRINCIPAL ITEM OF BUSINESS AT THIS MEETING; HE REMINDED SC THAT ALL PANELS (WITH EXCEPTION OF RECENTLY CREATED ONE ON MARINE SCIENCES) HAD THREE-YEAR LIFE SPAN ENDING WITH FALL 1975 SC MEETING, AT WHICH TIME POSITIVE DECISION BY SC WOULD BE NECESSARY IN EACH PANELS CASE IN ORDER TO CONTINUE ITS ACTIVITIES. OZDAS PROVIDED CUSTOMARY BRIEFING ON CCMS PROGRAM AND DISTRIBUTED COPIES OF RECENT KANSAS LAW REVIEW ARTICLE ON CCMS BY EPA ADMINISTRATOR RUSSEL TRAIN. OZDAS ALSO WELCOMED SC NEWCOMERS DR L.P.J. STUYT OF NETHERLANDS, FORMER CON MINISTER OF HEALTH AND ENVIRONMENT AND NOW CHAIRMAN OF NETHERLANDS CENTRAL ORGANIZATION OF APPLIED SCIENTIFIC RESEARCH (TNO); AND PROF. KAZIM ERGIN OF TURKEY, PROF. OF GEOPHYSICS AND ONETIME RECTOR OF ISTANBUL TECHNICAL UNIVERSITY AND FORMER SEC GEN OF TURKEYS SCIENTIFIC AND TECHNICAL RESEARCH CONCIL.

II. ANNUAL REPORT ON DEFENCE RESEARCH GROUP (DRG) ACTIVITIES: DRG HEAD (NASLIN) MADE ANNUAL PRESENTATION AS PART OF LONG-STANDING RECIPROCAL ARRANGEMENT BETWEEN SC AND DRG ON ELEMENTS OF MUTUAL INTEREST IN RESPECTIVE PROGRAMS. HE ACKNOWLEDGED SX AS A SOURCE OF IDEAS LEADING TO NEW DEVELOPMENTS IN DRG PROGRAM AND NOTED USEFUL LIAISON BETWEEN ONGOING DRG BODIES AND SC SPECIAL PROGRAM PANELS, NOTABLY THOSE ON SYSTEMS SCIENCES, HUMAN FACTORS, AND RADIOMETEOROLOGY.

III. ANNUAL REVIEW OF SPECIAL PROGRAM PANELS:

(A) US REP DREW ON REFTTEL IN DISCUSSION. OTHER ALLIED SC REPS GENERALLY IN ACCORD WITH US VIEW ON WORK OF INDIVIDUAL PANELS. REPS OF BELGIUM (CERULUS), CANADA (WHITEHEAD), NETHERLANDS (STUYT), PORTUGAL (MARTINS), AND UK (EDWARDS) AGREED TO FORM SUB-COMMITTEE TO RE-EXAMINE ORIGINAL 1972 PANEL GUIDELINES AND DRAW UP NEW ONES IN LIGHT OF PANEL REVIEW DISCUSSION AT THEIR SC MEETING, FOR CONSIDERATION AT FALL 1975 MEETING OF SC. SC NOTED ALL PANEL REPORTS. HIGHLIGHTS OF DISCUSSION AS FOLLOWS:

1. ECO-SCIENCES - SC EXPRESSED STRONG SUPPORT COMMENDING PANELS CURRENT EMPHASIS ON A FEW PRINCIPAL TOPICS IN WIDE FIELD, I.E. ECO-TOXOLOGY, AND MANAGEMENT AND USE OF ECOLOGICAL DATA.  
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SC MEMBERS ALSO COMMENDED PANELS EVIDENT AWARENESS OF COMPLEMENTARY WORK IN OTHER ORGANIZATIONS.

2. SYSTEMS SCIENCES - SC COMMENDED PANELS PROGRAM AND ITS ROLE IN HELPING ENSURE INTERDISCIPLINARY APPROACH IN WORK OF OTHER PANELS. CANADIAN AND FRG (PESTEL) REPS, IN ADDITION US, URGED PANEL CONTINUE TAKE INTO ACCOUNT WORK OF INTERNATIONAL INSTITUTE OF APPLIED SYSTEMS ANALYSIS.

3. MARINE SCIENCES - SC HIGHLY SATISFIED WITH NEW PANELS PROMISING START AND DETERMINATION TO CONCENTRATE ON ONLY A FEW PRIORITY TOPICS. US AND NETHERLANDS REPS URGED CLOSE COORDINATION WITH WORK OF ECO-SCIENCE AND AIR/SEA INTERACTION PANELS.

4. HUMAN FACTORS - SC GENERALLY PRAISED PANELS WORK BUT RECOMMENDED IT SEEK FOCUS ITS ACTIVITIES MORE SHARPLY, CONCENTRATING MORE ON AIDING FURTHER DEVELOPMENT OF FUNDAMENTAL PRINCIPLES TO HELP UNIFY YOUNG AND STILL DIFFUSE BEHAVIORAL DISCIPLINES.

5. AIR/SEA INSERACTION - SC EXPRESSED GENERAL SUPPORT FOR PANELS WORK WITH WOME DISAGREEMENT ON HOW TO PURSUE IT MOST USEFULLY IN LONGER TERM. SOME FAVORED MERGER THIS PANEL WITH ELEMENTS OF RADIOMETEOROLOGY PANEL PROGRAM; OTHERS RECOMMENDED INCORPORATING THIS PANELS PROGRAM WITHIN EXPANDED MARINE SCIENCES PANEL EFFORT. PANELS DRAFT STATE-OF-ART REPORT AND LIST OF RESEARCH ORGANIZATIONS ACTIVE IN FIELD WERE DISTRIBUTED TO SC (BOTH POUCHED TO OES/HEMILLY).

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6. RADIOMETEROLOGY - SC AGREED ON VERY USEFUL WORK OF THIS OLDEST OF SC PANELS, BUT MOST CONCURRED IN NORWEGIAN REPS (FINNLIED) SUGGESTION, SUPPORTED BY US THAT PANELS WORK HAD REACHED POINT OF DIMINISHING RETURNS ACCORDING ITS ORIGINAL TERMS OF REFERENCE WHICH NEEDED CURRENT REASSESSMENT. SOME OF PANELS CURRENT RANGE OF INTEREST COULD BE EFFECTIVELY PURSUED ELSEWHERE IN NATO E.G. IN AGARD AND DRG WITH WHICH PANEL ALREADY HAS CLOSE LIAISON, OR IN COMBINATION WITH WORK OF AIR/SEA INTERACTION PANEL. US REP SUPPORTED BY NORWEGIAN, SUGGESTED THAT RECENT DEVELOPMENTS IN FIELD POINTED TO LIKELIHOOD OF SIGNIFICANT SC PIONEERING CONTRIBUTION AT THIS STAGE THROUGH CREATION OF A NEW PANEL PROGRAM ON REMOTE SENSING, AS POSSIBLE SUCCESSOR EFFORT FOR SC. PANEL CHAIRMAN THOMPSON

(US) DISPLAYED PROTOTYPE OF NEW LOW-COST, HIGH EFFICIENCY  
RADIOSONDE DEVELOPED UNDER PANELS SPONSORSHIP FOR WHICH  
THERE WAS EXPECTED TO BE WIDESPREAD SCIENTIFIC DEMAND.

7. STRESS CORROSION CRACKING (SCC) - SC MEMBERS IN GENERAL  
AGREEMENT WITH VIEW EXPRESSED BY US REP (PER REFTTEL) THAT  
PANELS FIELD OF INTEREST OVERLY SPECIALIZED AND PROGRAM MIGHT BE  
PHASED OUT AT CONCLUSION THIS YEARS ACTIVITIES (WHICH INCLUDE A  
TEACHING ADVANCED STUDY INSTITUTE (ASI) ON SUBJECT, PLUS  
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PREPARATION OF A DIRECTORY OF ONGOING SCC RESEARCH).

(B) WITH REFERENCE TO FORTHCOMING SC REVIEW SPECIAL  
PROGRAM PANEL GUIDELINES AND CONSIDERATION OF POSSIBLE NEW FIELDS  
OF ACTION, US REP PROVIDED BRIEFING ON RECENT AND PENDING  
DEVELOPMENTS IN SCIENCE POLICY FIELD UN US. HE DREW ATTENTION TO  
CREATION OF STATE DEPARTMENTS NEW OES BUREAU UNDER  
LEADERSHIP OF DR DIXIE LEE RAY AND DESCRIBED SIGNIFICANTLY  
INCREASED POLICY LEVEL AWARENESS THROUGHOUT USG OF SCIENTIFIC  
ISSUES AND OF NEEDS OF BASIC SCIENTIFIC RESEARCH. WITH THIS IN  
VIEW HE SUGGESTED, ON PERSONAL BASIS THAT THIS YEARS UPDATING  
BY SC OF ITS PROGRAM COULD BE OPPORTUNE TIME FOR SC MEMBERS  
TO CONSIDER PERHAPS HOLDING A REINFORCED MEETING WITHING THE NEXT  
YEAR, WITH ATTENDANCE BY HIGH-LEVEL DELEGATIONS OF SENIOR ALLIED  
SCIENTIFIC FUNCTIONERIES, ALONG WITH REGULAR SV MEMBERSHIP, SUCH  
A MEETING COULD BE OCCASION FOR WIDE-RANGING, FREE EXCHANGE  
ON SETTING OF NEW SCIENTIFIC PRIORITIES FOR NATIONS OF ALLIANCE.  
HE DESCRIBED SC AS MOST COMPACT AND HOMOGENEOUS CONTINUING  
INTERNATIONAL FORUM ACTIVE IN FIELD OF PYRE SCIENTIFIC RES-  
EARCH, WITH UNIQUE INTERNATIONAL PROGRAM DESIGNED TO IDENTIFY AND  
SUPPORT EMERGING RESEARCH NEEDS AND TO FOSTER COOPERATIVE INTER-  
NATIONAL ACTIVITY OFTEN OTHERWISE LACKING IN THESE FIELDS;  
HE ADDED THAT SC MEMBERSHIP REPRESENTED GREAT BULK OF WORLD-  
WIDE ADVANCED RESEARCH CAPABILITY. IN RESPONSE, OZDAS PROPOSED  
THAT SC MEMBERS TAKE THIS SUGGESTION BY DR NIERENBERG UNDER  
ADVISEMENT AND CONSIDER IT FURTHER AT MAY MEETING.

VII. SENIOR SCIENTISTS: SC NOTED REPORT.

VIII. FINANCIAL QUESTIONS:

(A) APPORTIONMENT OF 1975 CREDITS FOR PROGRAMME DEVELOPMENT  
FUND. SC APPROVED 1975 APPORTIONMENT AS FOLLOWS (IN MILLIONS OF BF):

SPECIAL PROGRAMME PANEL ON:	1974 ALLOCATION	1975 PROPOSAL
MARINE SCIENCES	3.48	4.0
ECO-SCIENCES	3.5	5.0
STRESS CORROSION CRACKING	2.5	1.0
RADIOMETEOROLOGY	2.5	2.0
HUMAN FACTORS	3.5	4.0
SYSTEMS SCIENCE	5.0	5.5

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AIR-SEA INTERACTION	3.5	3.5
PROGRAMME PLANNING FUND	12.02	9.0
	36.0	34.0

(B) ALLOCATION OF 1975 CREDITS: SC APPROVED REVISED OVERALL  
1975 SCIENCE PROGRAM ALLOCATIONS AS PROPOSED REFDOC AC/137-D/563.

IX. PROPOSED PROJECT ON RATIONAL USE OF METALS: SC MEMBERS  
EXPRESSED STRONG SUPPORT FOR PROJECT PROPOSAL WHICH THEY  
QUICKLY APPROVED.

X. SC CONFERENCE PROGRAM:

(A) BENTHIC BOUNDARY LAYER: DEPUTY ASYG KOVACH REPORTED ON SC  
CONFERENCE HELD LAST NOVEMBER IN LES ARCE, FRANCE, TO IDENTIFY  
GAPS IN SCIENTIFIC KNOWLEDGE THIS FIELD AND RESEARCH NEEDED  
TO FILL THEM. 66 SCIENTISTS FROM 8 COUNTRIES TOOK PART. WORKING  
PAPERS AND CONCLUSIONS DEVELOPED BY WORKING GROUPS AT CONFERENCE  
WILL BE PUBLISHED LATE THIS YEAR BY PLENUM PRESS. KOVACH SAID  
PARTICIPANTS FOUND MEETING FIRST OPPORTUNITY TO MEASURE THEIR  
WORK AGAINST KNOWLEDGE AND NEEDS OF OTHER DISCIPLINES. US RE  
COMMENTED THAT CONFERENCE PROVIDED ESSENTIAL BACKGROUND AT  
CRUCIAL STAGE FOR COMING ERA OF MINERAL RECOVERY (E.G.  
MANGANESE NODULES) ON DEEP SEA BOTTOM, AS WELL AS FOR ASSESSMENT  
OF ENVIRONMENTAL IMPLICATIONS OF THIS ACTIVITY.

(B) FUTURE SC CONFERENCES: SC REACTIONS HIGHLY FAVORABLE  
TO PROPOSED CONFERENCES ON THERMAL ENERGY STORAGE AND ON STRUCTURE  
AND MECHANICAL PROPERTIES OF WOOD. NORWEGIAN REP COMMENDED TIME-  
LINESS OF EACH AND REQUESTED INCLUSION OF NORWEGIAN EXPERT IN  
ORGANIZATIONAL COMMITTEE FOR WOOD CONFERENCE IN RECOGNITION OF  
NORWAY'S EXPERIENCE AS LEADING WOOD PRODUCER. UK STRONGLY SUPPORTED  
BOTH PROPOSALS, WITH RECOMMENDATION THAT THERMAL ENERGY STORAGE  
CONFERENCE ORGANIZERS MAKE CONTACT WITH INTERNATIONAL ENERGY  
AGENCY FOR ANY SUGGESTIONS IEA MIGHT HAVE ON DEVELOPMENT OF  
CONFERENCE PROGRAM. CANADIAN REP URGED PROMPT APPROVAL BOTH CON-  
FERENCES AT LEAST PROVISIONALLY AT THIS MEETING, DESPITE LATE  
RECEIPT OF PROPOSALS BY SC MEMBERS, IN ORDER ENABLE NECESSARILY  
LENGTHY PREPARATIONS TO BEGIN RIGHT AWAY SO AS TO HOLD CON-  
FERENCES IN LATE 1975/EARLY 1976 AS PLANNED. US REP EXPRESSED  
FAVORABLE PRELIMINARY INTEREST ON PART OF USG BUT REQUESTED MORE  
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TIME FOR WASHINGTON AGENCIES TO COMPLETE THEIR REVIEW. ALL OTHER  
SC MEMBERS EXPRESSED APPROVAL AT THIS TIME OF BOTH CONFERENCE  
PROPOSALS WHICH THUS AWAIT ONLY US CONCURRENCE. OZDAS ASKED IF  
US RESPONSE COULD BE FORTHCOMING WITHIN THREE WEEKS (COB  
FRIDAY FEBRUARY 28) IN ORDER EXPEDITE CONFERENCE PREPARATIONS.

PLEASE ADVISE.

XI. OTHER BUSINESS: US REP ALERTED OTHER SC MEMBERS TO THREAT TO FREEDOM TO CONDUCT BASIC SCIENTIFIC RESEARCH ON HIGH SEAS AND URGED THEM TO HELP MOBILIZE SUPPORT FOR THIS PRINCIPLE WHEN LAW OF THE SEA CONFERENCE RECONVENES THIS YEAR.

XII. DATE AND PLACE OF NEXT MEETING: OZDAS ANNOUNCED THAT ICELAND HAS INVITED SC TO HOLD FALL 1975 MEETING IN REYKJAVIK ON OCTOBER 6,7 AND 8. ICELANDIC AUTHORITIES WILL PROVIDE FULL DETAILS AT FORTHCOMING SC 1975 SPRING MEETING WHICH WILL BE ON MAY 26-27 AT NATO HEADQUARTERS. DANISH REP EXTENDED INVITATION TO SC TO HOLD EITHER SPRING OR FALL 1976 MEETING IN DENMARK. BRUCE.

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## Message Attributes

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